

**UNITED STATES PATENT APPLICATION TRANSMITTAL FORM**

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Attention: DO/EO/US

Docket No.: 2133.113USU

Customer No.: 27623

Dear Sir:

Transmitted herewith for filing is the patent application of

Applicant(s): Werner KIEFFER, Hildegard ROMER, Frank LENTES, Guido RAKE,  
Volker OHMSTEDE, Karin NAUMANN, Michael LEISTER, Gerhard  
NUSSE, Erich RODEK and Wolfgang SCHMIDBAUER

For: MELTING AND REFINING IN TANKS WITH COOLED WALLS

International Application No.: PCT/EP2004/003416

International Filing Date: 2 April 2003

**ENTERING OF U.S. NATIONAL STAGE UNDER 35 U.S.C. §371**

Transmitted herewith for filing are the following documents submitted under 37 C.F.R. §1.495(b) for the purpose of entering the national stage in the United States of America as an elected office. Enclosed are:

XXX Specification (61 pps.) consisting of: Description (52 pps.); Claims (8 pps.) and Abstract (1 page);

XXX English translation of German specification;

XXX 8 sheet of drawings;

XXX Preliminary Amendment with Replacement Specifications (Marked Version and Clean Version);

       An Assignment of the invention to: SCHOTT AG, including \$40.00 recordation fee and recordation cover sheet;

XXX Information Disclosure Statement with copies of patent(s) (Form - PTO-1449);

\_\_\_\_\_ The undersigned attorney has verified that the applicant is entitled to a Small Entity Status;

XXX Priority of application Serial No. PCT/EP2004/003416, filed on 02 April 2003 in WIPO; is claimed under 35 U.S.C. §119 and 35 U.S.C. §365;

XXX Cover page of published PCT Publication No. WO 2004/087587;

XXX Copy of International Preliminary Examination dated 18 July 2003;

XXX Copy of PCT Demand Under Article 31; and

XXX Copy of International Search Report dated 18 July 2003.

\_\_\_\_\_ Copy of Written Opinion.

\_\_\_\_\_ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are transmitted herewith.

The Filing Fee is calculated below.

CLAIMS AS FILED				
(1) For	(2) Number Filed	(3) Number Extra	(4) Rate	(5) Basic Fee \$300.00
Total Claims	38 - 20 =	18	x \$50.00	900.00
Independent Claims	3 - 3 =	0	x \$200.00	\$
Multiple Dependent Claim Fee		x \$360.00 = \$0.00		
SEARCH FEE		\$500.00		
EXAMINATION FEE		\$200.00		
NATIONAL STAGE APPLICATION SIZE FEE (\$250 FOR EACH ADDITIONAL 50 SHEETS OVER 100 SHEETS)		\$		
TOTAL FILING FEE		\$		
1/2 FILING FEE FOR SMALL ENTITY		\$1900.00		

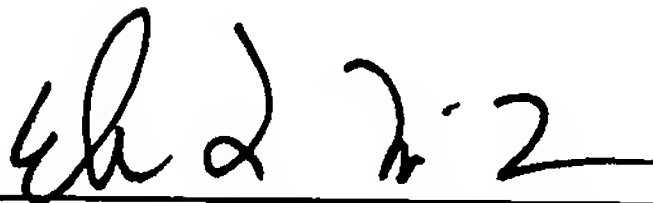
\_\_\_\_\_ Firm's check in the amount of \_\_\_\_\_ to cover the filing fee;

XXX The Commissioner is hereby authorized to charge the fee of **\$1,900.00** and any additional fees under 37 C.F.R. 1.16 and 1.17 which may be required with this communication or during the entire pendency of the application, or credit any overpayment, to **Deposit Account No. 01-0467**. A duplicate copy of this Form is enclosed.

XXX Postcard.

Address all future communications to: **Charles N. J. Ruggiero, Esq.**  
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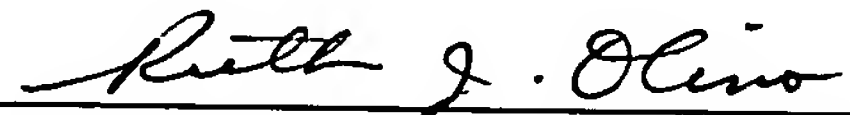
Dated: October 3, 2005

  
\_\_\_\_\_  
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**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Certificate No. **EV655223750US**, service under 37 CFR §1.10 and is addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Attn: DO/EO/US on October 3, 2005.

Ruth J. Olivo  
(Typed name of person mailing paper)

  
\_\_\_\_\_  
(Signature of person mailing paper)